

**YEAR 5**

Ratio and Proportion

Ratio questions appear in almost every 11+ paper. The key is always to find the value of one part first.

Section A · Ratio and sharing

- 1 Simplify the ratio 12 : 18 **2 : 3**
- 2 Simplify the ratio 25 : 40 **5 : 8**
- 3 Share £60.00 in the ratio 2 : 3 **£24.00 and £36.00**
- 4 Share 45 sweets in the ratio 4 : 5 **20 and 25**
- 5 A recipe for 4 people uses 200 g of flour. How much is needed for 6 people?
300 g

Section B · Proportion in context

- 1 5 pens cost £3.50. How much do 9 pens cost? **£6.30**
- 2 A map has a scale of 1 : 100. A path is 3 cm on the map. How long is it in real life?
300 cm, which is 3 m
- 3 The ratio of boys to girls is 3 : 4. There are 28 girls. How many boys are there?
21
- 4 Share 120 in the ratio 1 : 2 : 3 **20, 40 and 60**
- 5 8 workers take 6 days to finish a job. Working at the same rate, how long would 12 workers take? **4 days**